

CLAIMS

1. A bridge and adapter system for securing a supply line to a bag-in-box packaging having a dispensing member with a mouth and a collar located about the mouth, comprising:

a bridge having a top side and bottom side, said top side of the bridge having a hold-down member, said bridge including an aperture having a larger open section and smaller open section, wherein the mouth of said dispensing member is inserted through the bottom of said bridge through the larger open section and displaced toward the smaller open section of the aperture such that the collar of the mouth of said dispensing member is positioned above and is supported by the top side of the bridge, and such that said collar engages the hold-down member of said top side of the bridge; and

an adapter having an upper end portion and lower end portion, said upper end portion being secured to said supply line, said lower end portion including a rotatable collar having a ridge protruding circumferentially outward therefrom, said ridge further including a notch, wherein said lower end portion of said adapter engages with said dispensing member such that the notch of the ridge of the rotatable collar is aligned with the hold-down member and the rotatable collar may thereupon be rotated such that the ridge of the rotatable collar engages with the hold-down member such that said adapter is supported by the bridge.

2. The bridge and adapter system as defined by claim 1, wherein the top side of said bridge includes a pair of hold-down members located opposite of one another in relation to the smaller open section of the aperture of said bridge.

3. The bridge and adapter system as defined by claim 2, wherein the rotatable collar of said adapter includes a pair of notches oriented with respect to each other in the same manner that the pair of hold-down members are oriented such that said notches are adapted to accommodate the passage of said hold-down members.

4. The bridge and adapter system as defined by claim 1, wherein the notch of the ridge of the rotatable collar of the adapter is generally the same shape as the hold-down member of the bridge.

5. The bridge and adapter system as defined by claim 1, wherein the notch of the ridge of the rotatable collar of the adapter is generally the same size as the hold-down member of the bridge.
6. The bridge and adapter system as defined by claim 1, wherein said rotatable collar of said adapter further includes a plurality of air vents.
7. The bridge and adapter system as defined by claim 1, wherein said upper end portion of the adapter is secured to the supply line with a cam lock.
8. The bridge and adapter system as defined by claim 1, wherein said bridge and adapter system is constructed of a food grade material.
9. The bridge and adapter system as defined by claim 1, wherein said bridge and adapter system is constructed of a material selected from the group consisting of stainless steel, aluminum, and plastic.
10. The bridge and adapter system as defined by claim 1, wherein said bridge is adapted to sit across the top of the bag-in-box packaging.
11. The bridge and adapter system as defined by claim 1, wherein said bridge further includes two end portions having a handle carried by each end portion.
12. A bridge, adapter, and bag-in-box system for securing a supply line to a bag-in-box packaging, comprising:
 - a bag-in-box packaging including a box and a bag located inside the box, said bag including a dispensing member with a mouth and a collar located about the mouth;
 - a bridge having a top side and bottom side, said top side of the bridge having a hold-down member, said bridge including an aperture having a larger open section and smaller open section, wherein the mouth of said dispensing member is inserted through the bottom of said bridge through the larger open section and displaced toward the smaller open section of the aperture such that the collar of the mouth of

said dispensing member is positioned above and is supported by the top side of the bridge, and such that said collar engages the hold-down member of said top side of the bridge; and

an adapter having an upper end portion and lower end portion, said upper end portion being secured to said supply line, said lower end portion including a rotatable collar having a ridge protruding circumferentially outward therefrom, said ridge further including a notch, wherein said lower end portion of said adapter engages with said dispensing member such that the notch of the ridge of the rotatable collar is aligned with the hold-down member and the rotatable collar may thereupon be rotated such that the ridge of the rotatable collar engages with the hold-down member such that said adapter is supported by the bridge.

13. The bridge, adapter, and bag-in-box system as defined by claim 12, wherein the top side of said bridge includes a pair of hold-down members located opposite of one another in relation to the smaller open section of the aperture of said bridge.

14. The bridge, adapter, and bag-in-box system as defined by claim 13, wherein the rotatable collar of said adapter includes a pair of notches oriented with respect to each other in the same manner that the pair of hold-down members are oriented such that said notches are adapted to accommodate the passage of said hold-down members.

15. The bridge, adapter, and bag-in-box system as defined by claim 12, wherein the notch of the ridge of the rotatable collar of the adapter is generally the same shape as the hold-down member of the bridge.

16. The bridge, adapter, and bag-in-box system as defined by claim 12, wherein the notch of the ridge of the rotatable collar of the adapter is generally the same size as the hold-down member of the bridge.

17. The bridge, adapter, and bag-in-box system as defined by claim 12, wherein said rotatable collar of said adapter further includes a plurality of air vents.

18. The bridge, adapter, and bag-in-box system as defined by claim 12, wherein said upper end portion of the adapter is secured to the supply line with a cam lock.
19. The bridge, adapter, and bag-in-box system as defined by claim 12, wherein said bridge, adapter, and bag-in-box system is constructed of a food grade material.
20. The bridge, adapter, and bag-in-box system as defined by claim 12, wherein said bridge and adapter are constructed of a material selected from the group consisting of stainless steel, aluminum, and plastic.
21. The bridge, adapter, and bag-in-box system as defined by claim 12, wherein said bridge is adapted to sit across the top of the bag-in-box packaging.
22. The bridge, adapter, and bag-in-box system as defined by claim 12, wherein said bridge further includes two end portions having a handle on each end portion.
23. A bag-in-box filler system, comprising:
 - a bridge having a top side and bottom side, said bridge defining an aperture having a larger open section and smaller open section, said top side of said bridge including a pair of hold-down tabs located opposite of one another in relation to the smaller open section of the aperture of said bridge,
 - a bag-in-box packaging including a box and a bag located inside the box, said bag including a dispensing member with a mouth and a collar located about the mouth; wherein the mouth of said dispensing member is inserted through the bottom of said bridge through the larger open section and displaced toward the smaller open section of the aperture such that the collar of the mouth of said dispensing member sits above and is supported by the top side of the bridge,
 - an adapter having an upper end portion and lower end portion, said lower end portion including a rotatable collar having a ridge protruding circumferentially outward therefrom, said ridge further defining a pair of notches located opposite of one another, wherein said lower end portion of said adapter is placed within the mouth of said dispensing member such that the notches of the ridge of the rotatable collar are aligned with the hold-down tabs and the rotatable collar may thereupon be

rotated such that the ridge of the rotatable collar engages with the hold-down tabs such that said adapter is supported by the bridge, and

a supply line, said supply line being secure to said upper end portion of the adapter.

24. The bag-in-box filler system as defined by claim 23, wherein the notches of the ridge of the rotatable collar of the adapter are generally the same shape as the hold-down tabs of the bridge.

25. The bag-in-box filler system as defined by claim 23, wherein the notches of the ridge of the rotatable collar of the adapter are generally the same size as the hold-down tabs of the bridge.

26. The bag-in-box filler system as defined by claim 23, wherein said rotatable collar of said adapter further includes a plurality of air vents.

27. The bag-in-box filler system as defined by claim 23, wherein said upper end portion of the adapter is secured to the supply line with a cam lock.

28. The bag-in-box filler system as defined by claim 23, wherein said bag-in-box filler system is constructed of a food grade material.

29. The bag-in-box filler system as defined by claim 23, wherein said bridge, adapter, and supply line are constructed of a material selected from the group consisting of stainless steel, aluminum, and plastic.

30. The bag-in-box filler system as defined by claim 23, wherein said bridge is adapted to sit across the top of the bag-in-box packaging.

31. The bag-in-box filler system as defined by claim 23, wherein said bridge further includes two end portions having a handle on each end portion.

32. A bridge for use with a filler system for a bag-in-box container having a dispensing member with a mouth and a collar located about the mouth, comprising:

a top side and bottom side of the bridge,

an aperture through the bridge, said aperture having a larger open section that is sized and shaped to accommodate passage through the bridge of a dispensing member of a bag-in-box container, and

a smaller open section of said aperture, said smaller open section being in direct communication with said larger open section, said smaller open section being sized and shaped to accommodate displacement of the dispensing member from said larger open section to said smaller open section to thereby secure the dispensing member to the bridge.

33. The bridge as defined by claim 32, wherein said aperture larger open section and smaller open section are adapted such that when the mouth of said dispensing member is inserted through the bottom side of said bridge through the larger open section and displaced toward the smaller open section, the collar of the mouth of said dispensing member is positioned above and is supported by the top side of the bridge.

34. The bridge as defined by claim 32, wherein said top side of the bridge further includes a hold-down member, said hold-down member being adapted to engage with an adapter having a rotatable collar with a ridge protruding circumferentially outward therefrom.

35. The bridge as defined by claim 32, wherein said bridge is further adapted to sit across the top of the bag-in-box container.

36. The bridge as defined by claim 32, wherein said bridge further includes two end portions having a handle carried by each end portion.

37. An adapter for use with a filler system for a bag-in-box container, comprising:
an upper end portion of the adapter, and
a lower end portion of the adapter, said lower end portion having a rotatable collar adapted to be secured to a component of the filler system.

38. The adapter as defined by claim 37, wherein said upper end portion is adapted to be secure to a supply line.
39. The adapter as defined by claim 38, wherein said upper end portion of the adapter is secured to the supply line with a cam lock.
40. The adapter as defined by claim 37, wherein said rotatable collar further includes a ridge protruding circumferentially outward therefrom, said ridge being adapted to engage with and secure to a support bridge of the filler system.
41. The adapter as defined by claim 37, wherein said rotatable collar further includes a plurality of air vents.